CLAIMS

1. A computer program product, tangibly embodied in an information carrier, for generating an integrated trace output file on a system having a first computing device and a second computing device, the computer program product being operable to cause data processing
5 apparatus to:

generate a first trace output at the first computing device;

receive a second trace output from the second computing device; and

generate an integrated trace output file by combining the second trace output with the first trace output.

10 2. The computer program product of claim 1, further comprising instructions to:

provide an agent for detecting an event at the second computing device.

3. The computer program product of claim 2, wherein instructions to provide the agent further comprise instructions to employ JavaScript code.

4. The computer program product of claim 1, further comprising instructions to:
15 identify a severity level for event detection at the first computing device; and

detect an event having the identified severity level.

5. The computer program product of claim 4, wherein the severity level indicates whether the first trace output comprises an error message, a warning message, an information message, or a debug message.

20 6. The computer program product of claim 1, further comprising instructions to:

identify a severity level for event detection at the second computing device; and

detect an event having the identified severity level.

7. The computer program product of claim 6, wherein the severity level indicates whether the second trace output comprises an error message, a warning message, an information
25 message, or a debug message.

8. The computer program product of claim 1, further comprising instructions to:

receive an active component trace output from the second computing device.

9. The computer program product of claim 8, further comprising instructions to:
combine the active component trace output with the first trace output.

10. The computer program product of claim 1, wherein the second trace output includes an active component trace output generated at the second computing device.

11. The computer program product of claim 1, wherein the first computing device is a server and the second computing device is a client.

12. The computer program product of claim 1, further comprising instructions to:
display the integrated trace output on the second computing device.

13. The computer program product of claim 12, further comprising instructions to display the integrated trace output in a separate browser window.

14. The computer program product of claim 1, wherein the instructions to generate the integrated trace output file comprise instructions to combine the second trace output with the first trace output in a chronological order.

15. A method comprising:
detecting an event at a client;
generating a client-side trace output in response to the event detection at the client; and
transmitting the client-side trace output to a server for integration with a server-side trace output.

16. The method of claim 15, wherein the event at the client device occurs while a user is interacting with an application program executing on the server.

17. The method of claim 16, further comprising:
detecting an event at the server while the user is interacting with the application program;
generating the server-side trace output in response to the event detection at the server; and
integrating the server-side trace output with the client-side trace output to generate a single trace output file.

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18. A system for generating an integrated trace output file, the system comprising:

a client agent including:

a detection module configured to detect an event at a client;

a generation module configured to generate a client-side trace output in response to

5 the event detection at the client; and

a communication module configured to transmit the client-side trace output to a

server;

a server agent including:

a detection module configured to detect an event at the server;

10 a generation module configured to generate a server-side trace output in response to

the event detection at the server;

a communication module configured to receive the client-side trace output from the

client; and

an integration module configured to generate an integrated trace output file by

15 combining the client-side trace output with the server-side trace output.

19. The system of claim 18, further comprising a client program including the client agent.

20. The system of claim 18, further comprising an application program including the server

agent.